

SYSTEM AND METHOD FOR GENERATING VIDEO FRAMES AND POST FILTERING

Abstract of the Disclosure

5 System and method for generating video frames. The system includes a frame generator which generates one or more intermediate frames based upon one base frames. Each of the base frames are comprised of a plurality of macroblocks. Furthermore, one or more of the macroblocks have a motion vector. The macroblocks are comprised of a plurality of pixels. In the frame generation process, the frame generator performs a number of steps such as: (i) determines whether frame generation is appropriate, (ii) examines the first and second base frames to check for the presence of textual characters, (iii) selects a frame generation method based upon information in the first and second frames, (iv) filters the generated frames. In one embodiment, the system includes a server computer having an encoder, a client computer having a decoder, and a network connecting the server computer to the client computer. In this embodiment, the frame generator resides and executes within the client computer and receives the base frames from the decoder.

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